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(54) Title: CULTURED HUMAN PANCREATIC ISLETS, AND USES THEREOF

(57) Abstract: A method of generating cells capable of secreting insulin is disclosed. The method comprises subjecting mammalian embryonic stem cells to set of culturing conditions suitable for differentiation of at least a portion thereof into cells displaying at least one characteristic associated with a pancreatic islet cell progenitor phenotype, and subjecting such differentiated cells to a set of culturing conditions suitable for formation of surface bound cell clusters including insulin producing cells.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/01027

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 5/00
US CL : 435/325, 366; 424/93.7

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/325, 366; 424/93.7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | US 6,280,718 B1 (KAUFMAN et al) 28 August 2001 (28.08.01), see entire document. | I-192 |

Further documents are listed in the continuation of Box C.

See patent family annex.

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